Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6	((bandwidth band) near5 (expand$4 expansion)) and ((bandpass near4 filter$4) same (formant near4 filter))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 10:02
L2	1	((bandwidth band) near5 (expand$4 expansion)) and ((only near3 speech) same (formant near4 filter))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 10:04
L3	9	"704"/$.ccls. and ((only near3 voiced) same (formant near4 filter))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 10:04
L6	8	((shift$4 copy$5 copied) near7 (narrow-band narrowband)) and ((combin$4 adding add added interpolat$4 multiply$4 merg$4) with (lowband lowerband low-band lower-band ((low lower) near3 band)) with (upperband upper-band wide-band wideband (wide near3 band)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 11:09
L7	17	((bandwidth band) near5 (expand$4 expansion)) and ((combin$4 adding add added interpolat$4 multiply$4 merg$4) with (lowband lowerband low-band lower-band ((low lower) near3 band)) with (upperband upper-band wide-band wideband (wide near3 band)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 11:10
L8	30	"704"/$.ccls. and ((combin$4 adding add added interpolat$4 multiply$4 merg$4) with (lowband lowerband low-band lower-band ((low lower) near3 band)) with (upperband upper-band wide-band wideband (wide near3 band)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 11:24
L9	4	"704"/$.ccls. and ((pitch (fundamental near3 frequency)) with (continuous near3 sine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 11:26
L11	11	((pitch (fundamental near3 frequency)) with (continuous near3 sine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 11:33

L14	1413	((pitch (fundamental near3 frequency)) with ((wave tone) near3 sine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 11:30
L15	186	((pitch (fundamental near3 frequency)) with ((wave tone) near3 sine))same (((low lower) near4 (frequency band)) lowband lowerband low-band lower-band)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 11:31
L16	0	((pitch (fundamental near3 frequency)) with ((wave tone) near3 sine))same (lowband lowerband low-band lower-band)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 11:31
L17	4	((pitch (fundamental near3 frequency)) with ((wave tone) near3 sine))same (lowband lowerband low-band lower-band narrowband)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 11:31
L18	441	((pitch (fundamental near3 frequency)) with (harmonic with sine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 11:34
L19	193	((pitch (fundamental near3 frequency)) with (harmonic near5 sine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 11:34
L20	0	((pitch (fundamental near3 frequency)) with (harmonic near5 sine)) with (lowband lowerband)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 11:34
L21	0	((pitch (fundamental near3 frequency)) with (harmonic near5 sine)) same (lowband lowerband)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 11:34
L22	10	((pitch (fundamental near3 frequency)) with (harmonic near5 sine)) with ((low lower) near4 frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 11:38
L24	21	((pitch (fundamental near3 frequency)) with (harmonic near5 sine)) same ((low lower) near4 frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 11:36

L25	11	((pitch (fundamental near3 frequency)) with (harmonic near7 sine)) with ((low lower) near4 frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 11:41
L26	7	((pitch (fundamental near3 frequency)) with (harmonic near7 sine)) near8 ((low lower) near4 frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 11:41
L27	26	((pitch (fundamental near3 frequency)) with (wave near7 sine)) near8 ((low lower) near4 frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 11:41
L33	7	((lindgren near3 ulf) (gustafsson near3 harald)) and (bandwidth near4 (extension expansion ehancement))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 13:59
L34	5774	(704/500 704/501 704/502 704/205 704/206 704/207 704/208 704/209 704/210 704/219 704/200 704/233). ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 13:59
S1	1	10/022737	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/11 17:05
S4	6	((bandwidth band) near5 (expansion)) and (spectral near5 amplitude near5 peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/11 17:20
S5	101	((bandwidth band) near5 (expansion)) and ((formant spectral) near5 peak)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/11 17:33
S6	211	((shift$4 copy$4) near7 (tone formant peaks) near7 (high near5 frequency))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 13:52
S7	2	((shift$4 copy$4) near7 (tone formant peaks) near7 (high near5 frequency)) and ((upsampl$4 up-sampl$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/11 17:35

S9	5	((shift$4 copy$4) near7 (tone formant peaks) near7 ((upper high$3) near5 frequency)) and ((upsampl$4 up-sampl$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/11 17:46
S10	5	((shift$4 copy$4) near7 (tone formant peaks) near7 ((upper high$3) near5 (band frequency) upperband)) and ((upsampl$4 up-sampl$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/11 17:46
S11	234	((shift$4 copy$4) near7 (tone formant peaks) near7 ((upper high) near5 (band frequency)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/11 17:48
S12	19	((shift$4 copy$4) near7 (tone formant peaks) near7 ((upper high) near5 (band frequency))) same gain	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/11 17:49
S13	23	((shift$4 copy$4) near7 (tone formant peaks) near7 ((upper high) near5 (band frequency))) same (amplify$4 gain)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/11 18:32
S14	231	((bandwidth band) near5 (expand$4 expansion)) and ((shift$4 copy$5 copied) near7 (narrow-band narrowband ((narrow lower low) near5 (frequency band))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 11:09
S15	25	((bandwidth band) near5 (expand$4 expansion)) and ((shift$4 copy$5 copied) near7 (narrow-band narrowband ((narrow lower low) near5 (frequency band)))) and "704"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/11 18:48
S16	10	((bandwidth band) near5 (expand$4 expansion)) and ((shift$4 copy$5 copied) near7 (narrow-band narrowband)) and "704"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/11 18:46
S17	90	((bandwidth band) near5 (expand$4 expansion)) and ((shift$4 copy$5 copied) near7 (narrow-band narrowband ((narrow lower low) near5 (frequency band)))) and peak	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 09:02

S18	653	((shift$4 copy$5 copied) near7 (narrow-band narrowband ((narrow lower low) near5 (frequency band)))) and ((combin$4 adding add added interpolat$4 multiply$4 merg$4) with (narrowband narrow-band (narrow near3 band) ((lower low) near4 (frequency band))) with (upperband upper-band wide-band wideband (wide near3 band) ((upper high higher) near3 (band frequency))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 09:20
S19	45	((shift$4 copy$5 copied) near7 (narrow-band narrowband)) and ((combin$4 adding add added interpolat$4 multiply$4 merg$4) with (narrowband narrow-band (narrow near3 band)) with (upperband upper-band wide-band wideband (wide near3 band)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/13 11:08
S20	34	((shift$4 copy$5 copied) near7 (narrow-band narrowband ((narrow lower low) near5 (frequency band)))) and ((combin$4 adding add added interpolat$4 multiply$4 merg$4) with (narrowband narrow-band (narrow near3 band) ((lower low) near4 (frequency band))) with (upperband upper-band wide-band wideband (wide near3 band) ((upper high higher) near3 (band frequency)))) and "704"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 09:23
S22	54	((band bandwidth) near5 (enhanc$5 expan$5 extend$4 extension)) with (narrowband (narrow near3 band)) and "704"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 09:26
S23	48	((band bandwidth) near5 (enhanc$5 expan$5 extend$4 extension)) near7 (narrowband (narrow near3 band)) and "704"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 16:30
S24	2	("5001758" | "6208959").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/12 10:17
S25	7	("4700390" | "5109417" | "5142656" | "5222189" | "5230038" | "5479562" | "5792073").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/12 10:22
S26	9	((lowband narrowband) near7 peak) same gain	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 13:58

S27	21	((lowband narrowband) and (log near4 spectral))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 14:37
S28	25	((zero "0") near5 gain) with (noise silence)) and (bandwidth near4 ((expand$4 expansion enhancement enhanc$4 extension extend$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:39
S29	2	(((zero "0") near5 gain) with (noise silence)) and (704/210.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 14:43
S30	6	(((zero "0") near5 gain) with silence) and "704"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 14:47
S31	2	(((zero "0") near5 gain) with (background near3 noise)) and "704"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 14:47
S32	9	(((zero "0") near5 gain) with (background near3 noise))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 14:47
S33	1	10/022737	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 15:42
S34	29	"704"/$.ccls. and (gain near7 (linear near5 (combination combining combine combined)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 16:01
S35	10	"704"/$.ccls. and (error with (narrowband))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 16:04
S36	21	"704"/$.ccls. and narrowband and (residual near4 error)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 16:05

S38	318	"704"/$.ccls. and (residual near4 error)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 16:16
S39	0	(harmonic near4 tone) and ((copy$4 copied) near5 (lowband lowerband low$band lower$band (low near4 (frequency))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 16:20
S40	6	(harmonic) and ((copy$4 copied) near5 (lowband lowerband low$band lower$band (low near4 (frequency))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 16:23
S41	789	(harmonic) and ((shift$4) near5 (lowband lowerband low$band lower$band (low near4 (frequency))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 16:23
S42	32	(harmonic near4 tone) and ((shift$4) near5 (lowband lowerband low$band lower$band (low near4 (frequency))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 16:23
S43	0	(harmonic near4 tone) and ((shift$4) near5 (lowband lowerband low$band lower$band))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 16:24
S44	10	(harmonic) and ((shift$4) near5 (lowband lowerband low$band lower$band))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 16:25
S45	167	(harmonic) and ((shift$4 copy$4 copied) near5 (narrowband narrow$band (narrow near3 band)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 16:25
S46	7	(harmonic) and ((copy$4 copied) near5 (narrowband narrow$band (narrow near3 band)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 16:26
S47	46	(harmonic) and ((reproduc$4 replicat$4) near5 (narrowband narrow$band (narrow near3 band)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 16:30

S48	22	((band bandwidth wideband) near5 (enhanc$5 expan$5 extend$4 extension)) and ((copy$4 copied replicat$4) near4 (narrowband narrow-band ((low narrow lower) near4 band) lowband lowerband low$band lower$band))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 16:36
S49	106	((copy$4 copied replicat$4) near4 (narrowband narrow-band ((low narrow lower) near4 band) lowband lowerband low$band lower$band))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 16:36
S50	14	((copy$4 copied replicat$4) near4 (narrowband narrow-band ((low narrow lower) near4 band) lowband lowerband low$band lower$band)) and "704"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/12 16:36